

ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
January 14, 2010

COMMITTEE MEMBERS PRESENT

Jim Haselton, Committee Chair
Ed Mandich, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Sharon E. Smith, Secretary/Treasurer
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor
Teresa Teichman, Assistant to the General Manager
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Haselton called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no committee member comments.

REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager.

PROJECT MANAGEMENT

ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY

Mr. Hector Ruiz, District Engineer, MENTIONED THAT the Irvine Ranch Water District has received THE Baker Pipeline Capacity Transfer Memorandums of Understanding from each participating agency.

Mr. Ruiz advised there hasn't been any new information from MWD or MWDOC regarding AMP the pump-in option since January of 2009.

Mr. Ruiz reviewed the project schedule, stated the Preliminary Design Report is expected next month, and noted that the Baker Committee meeting scheduled for this afternoon has been cancelled and the committee is scheduled to meet on February 11, 2010.

A status update will be provided to the Board of Directors at the January 20, 2010 Regular Board Meeting.

The Engineering/Operational Committee received the staff report and status update. No action taken.

ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
ROSE CANYON AND LANG WELLS GROUNDWATER TREATMENT
FACILITY

Mr. Ruiz mentioned the new staff report format includes Construction Management/Administration Activities, Department of Public Health and Other Agency Activities, Monthly Construction Progress/Issues, and a Construction Schedule and Project Budget Update. Mr. Ruiz noted the new staff report format will provide monthly construction progress highlights and a three month look ahead construction schedule.

Mr. Ruiz noted TCWD is currently reviewing submittals from RC Foster and mobilization for the project will begin in early February.

Mr. Ruiz directed the committee to the attached Scope of Work from CDM for professional services. Conversations took place in regard to the tasks and responsibilities for approval of the submittals. Staff recommended the Committee forward to the Board's action calendar.

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The Engineering/Operational Committee received the staff report, status update, proposal from CDM for Professional Services, and made recommendation to forward this item to the Board. (Action Calendar).

ITEM NO. 1C) DISCUSSION AND POSSIBLE ACTION RELATING TO ROSE CANYON AND LANG WELLS UPGRADES TO TREATMENT FACILITIES, GROUND BREAKING CEREMONY

Mr. Chadd discussed the proposed February 5, 2010 Groundbreaking Ceremony at the District Wells. Mr. Chadd Reviewed the schedule of events and a discussion ensued regarding preparation of invitations and other items required for the event.

The Engineering/Operational Committee had discussion and recommended forwarding this item to the Board. (Action Calendar).

ITEM NO. 1D) DISCUSSION RELATING TO EL TORO ROAD SEWER/ CHIQUITA SYSTEM - PARTIAL DIVERSION OF FLOWS TO IRVINE RANCH WATER DISTRICT'S SEWER SYSTEM

Mr. Ruiz introduced this new item as a joint project with IRWD and SMWD. The project is being managed by IRWD and consists of modifications to existing agreements due to IRWD's construction of a diversion structure.

Mr. Ruiz provided background on the Diversion Structure and El Toro Road Sewer Extension constructed by the Irvine Ranch Water District (IRWD) in 2005. Mr. Ruiz presented the attached Exhibits A, B, and C. Discussion took place regarding the proposed amendments by IRWD including methodology of flow allocations.

The Engineering/Operational Committee received the staff report. No action necessary.

ITEM NO. 1E) STATUS UPDATE RELATING TO WATER MONITORING AND WATER CONSERVATION EFFORTS

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Mr. Don Chadd, General Manager, reviewed the charts and graphs provided by MWDOC which reflect monthly retail water usage compared to historical monthly water usage patterns and cumulative water historical patterns through December 2009. TCWD continues to stay on target to remain below the 2009/2010 allotment of 2,847 acre feet.

Mr. Chadd also discussed water consumption by the Committee Members and provided each their 25 month consumption history.

The Engineering and Operational Committee received the status update. No action taken.

ITEM NO. 1F) STATUS UPDATES REGARDING ON-GOING ENGINEERING PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz reported there were no changes since last month. Staff is continuing to evaluate replacement of the surge tank and dry pit pumps.

2. Water Systems Inter-Tie Reliability Study

Mr. Ruiz mentioned that Mr. Neil McKenna, Water Supervisor met with staff from IRWD last week. Discussion took place in regard to confirmation of location and functionality of existing inter-ties. A summary table will be created prior to the MET shutdown during the last week of January, 2010.

3. Shadow Rock Detention Basin Project

Mr. Ruiz had discussions with Southern California Edison (SCE) this week in regard to providing power to the site. SCE mentioned that they do not have easements for the power poles through the existing Nursery property. TCWD will require further evaluation and coordination with the property owner further investigation.

4. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz advised the developer met with the Homeowner's Association to review the easements and is also in the process of obtaining permits from the County of Orange. Work

is anticipated to begin at the site during February or March, 2010.

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5. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz reported there has been no change since last month.

6. Other Projects

No other projects were discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1G) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Orange County Fire Authority Sewer System Project

Mr. Ruiz stated the project went out to bid last month and work is anticipated to begin in March.

2. Oaks at Trabuco

There is no new activity to report.

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the staff report and status update. No action taken.

ITEM NO. 1H) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the December 2009 update.

Source Water Production

1. The water treatment plant production totaled 162 acre feet.
2. The Rose Canyon and Lang Wells produced zero acre feet.

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3. The average daily demand for the month of December was 5.1 acre feet, or 2.5 cfs.

Projects and Repairs

1. Water Department Personnel upgraded the SCADA monitoring equipment at Irvine Lake for the upcoming shutdown and treatment of Irvine Lake Water.
2. Water Department Personnel installed a vault at the Field Office Pump Station for a new flow meter.

Mr. Ruiz stated he is looking into upgrades at the Ridgeline Pump Station.

Mr. McKenna discussed the Metropolitan Water District of Southern California (MET) shutdown from January 24, 2010 through January 31, 2010 and TCWD's strategies for taking and treating water from Irvine Lake.

Mr. Chadd stated signage regarding wise water use during this shutdown period is currently being made and will be placed at three locations in the District.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 11) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the December 2009 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 63 acre feet.
2. The recycled water demand was 11.75 acre feet.
3. Dove Lake had 4.9 feet of freeboard.
4. The reclaimed water reservoir had 8 feet of freeboard.
5. The District pumped a total of 16 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 11.4 acre feet.

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Projects

1. District Personnel repaired panels and painted the maintenance buildings at the Waste Water Treatment Plant.
2. District Personnel repaired an 8" sewer force main at Golf Club Lift Station.
3. The San Diego State Water Quality Control Board inspected the Waste Water Treatment Plant.

Mr. Hanberg discussed the Sewer System Management Plan (SSMP) Report for December and reviewed the information provided on the attached SSMP Quarterly Report.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1J) DECEMBER 2009 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the December 10, 2009 Engineering/Operational Committee Meeting Recap.(Consent Calendar)

ITEM NO. 1J) OTHER MATTERS/REPORT

Mr. Chadd reported TCWD has changed vendors for computer maintenance and technology needs and has retained a new I.T. company effective January 4, 2010.

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The Engineering/Operational Committee received the information as presented. No action taken.

ADJOURNMENT

Committee Chair Haselton adjourned the January 14, 2010 Engineering/Operational Committee Meeting at 7:42 a.m.